

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

11-Nov-2010

Company: 118548

Sales Order #: C002726
CCC Panel #: P68765
Date In: 05-Oct-2010
Date Out: 20-Oct-2010
Days In Service: 15

Room/Area ID:
Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon	
Company	118548
Address	
Room/Area I.D.	
Date In	10/5/10
Time In	8:40 a.m. p.m.
Date Out	10/20/10
Time Out	8:00 a.m. p.m.
Coupon #	68765
Tracking #	02726
Serial #	
<input type="checkbox"/> Industrial <input type="checkbox"/> ERM <input type="checkbox"/> Preservation <input type="checkbox"/> CIF	

PURAFIL
First...in clean air

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CCC Panel # P68765

ISA Class G2
Moderate

Copper Corrosion
499 Å/30 Days

Silver Corrosion
374 Å/30 Days

(see next page for complete
analysis)

Summary for PURAFIL CCC # P68765

The electrolytic reduction analysis on Corrosion Classification Coupon #P68765 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb and the sulfur dioxide level between 10 and 100 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

Your local representative for additional information and assistance is:
Environmental Health and Eng
117 Fourth Avenue, Needham MA 02494, USA
tminegishi@eheinc.com

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Email: purafil@purafil.com / Internet: <http://www.purafil.com>

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PURAFIL CCC # P68765 Analysis Results

Corrosion Film Composition				Gold Coupon - Magnified 20x
	Projections			
	30 Days	1 Year	5 Year	
Copper Films				
Cu ₂ S	215 Å	441 Å	753 Å	
Cu ₂ O	131 Å	269 Å	460 Å	
Unknowns	153 Å	314 Å	537 Å	
Totals	499 Å	1024 Å	1750 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	374 Å	4555 Å	22776 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	374 Å	4555 Å	22776 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

Equipment Reliability Correlation
(ISA Standard S71.04-1985 for Copper)

